

AN INTERPRETATIVE ANALYSIS OF THE NATURAL GAS POLICY
OF THE FEDERAL GOVERNMENT AS EXEMPLIFIED
BY THE "PHILLIPS CASE"

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BY THE "PHILLIPS CASE"

by

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I. FOREWORD

The Natural Gas Industry has from its beginning gained in importance to the American people with each passing year. As the public reliance on natural gas has increased the local, state, and Federal governments have increased regulation of the industry. Most of this regulation has been of such a nature as to insure the public of increased natural gas supplies at reasonable prices. Little if any thought has been given to the welfare of the industry. The crest of regulation against the industry has been reached with the Supreme Court's decision in the "Phillips Case." If this interpretation is allowed to stand then there is strong reason to believe that the Natural Gas Industry has reached its zenith and must now start a decline under the burden of strangling regulation. Consequently, instead of increasing gas supplies at reasonable prices the increased regulation will in all probability cause a decrease in natural gas supplies and an increase in price.

It is the purpose of this paper to show how the regulation of the Natural Gas Industry has grown to such proportions that it no longer serves the purpose intended, but rather it is destroying the very things it was created to preserve. By looking at the possible results of the Phillips Case on the Gas Industry, certain plausible conclusions and predictions can be made for the future of the industry. Possible solutions to the dilemma of over-regulation are presented in the hopes that future moves to regulate can be forestalled. Then perhaps the present regulations can be reduced so that the industry can more adequately serve the public and at the same time strengthen and preserve itself.

January 1941

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I. REGULATORY POWERS OF THE FEDERAL GOVERNMENT

A. Laissez Faire

From the very beginning of this country, the people of the United States have, in general, believed in a system of free enterprise with a minimum of interference in private business by the government. Under this philosophy the government should serve the individual and not interfere with his freedom except to protect the equal freedom of others. This philosophy of individual freedom in economic pursuits is best expressed in the doctrine of "laissez faire." According to this doctrine the individual should be allowed maximum freedom of action in the process of making a living. Governmental interference with the individual's activities should be limited to the extent necessary to prevent force and fraud.¹

Under the laissez faire philosophy of economic conduct, it is felt that business should be conducted by private individuals and not by the government. Private ownership and operation of business is much more efficient and economical than is government ownership or operation. When an individual produces these things which the public wants to buy and for which they give him the greatest profits, he is working for both the public and his own best interests. The individual businessman, unhampered by governmental restrictions, must promote maximum efficiency in his organization in order to meet the competition from other free competitors. This type of free competition protects the public from exploitation and guarantees the best possible goods at the lowest possible prices.²

¹References listed in the Bibliography

THE UNIVERSITY OF CHICAGO

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States have, in general, believed in a system of free enterprise with

minimum of government interference in private business by the government. Under this

philosophy the government should protect the individual and not interfere

with his freedom except to protect the equal freedom of others. This anti-

policy of individual freedom in economic pursuits is best expressed in the

doctrine of laissez-faire. It is not in this doctrine that the individual should

be allowed to make a free choice of work in the process of making a living.

Governmental interference with the individual's activities should be limited

to the extent necessary to protect force and fraud.¹

Under the laissez-faire philosophy of economic conduct, it is felt

that economic activity should be conducted by private individuals and not by the

government. It is believed that a certain amount of economic activity is

inherent in economic life and government ownership or operation, when an

individual is engaged in economic activity, he is working for both the public and

the individual. In the present context, he is working for both the public and

the individual. The individual's economic activity, when it is

conducted in a free market, is more efficient in his organization in

order to meet the competition from other free competitors. This type of free

competition leads to the public's best interests and therefore the best

possible results of the least possible interference.²

B. Duties of the Government

The government's role in our system of free enterprise is that of protection, aid, and service. It must protect the property rights of the individual so that the individual may have access to his property for his own enterprises. In order to insure fair competition, the government must protect society against the growth of monopoly. A sound monetary system must be provided to aid business. The government must aid and serve society by providing services, which by their very nature, cannot be provided by private enterprise at a profit---schools, parks, and Armed Forces, to mention a few examples.²

Starting in the nineteenth century a certain minimum of governmental interference with private business came to be accepted as necessary and desirable. In certain industries this interference has grown to considerable proportions. It is not unnatural that the body of law built up by court decisions continues to be applied to those industries which fall into the category of transportation, public utilities, banks, insurance companies and the like. These interferences in the afore mentioned industries have now come to be considered governmental prerogatives. As such, the government is now expected to provide these services either directly or by delegation of their performance to private companies. Under this condition the private company is deemed to be acting as an agent of the government and is thus subject to its control. This point of view was expounded in an 1837 judicial opinion concerning the railroads in which the Supreme Court said in part:

That railroads, though constructed by private corporations and owned by them, are public highways, has been the doctrine of nearly all the courts ever since such conveniences for passage and transportation have had any existence....

Whether the use of a railroad is a public or private one depends in no measure upon the question who constructed it or who owns it. It has never been considered a matter of any importance that the road was built by the agency of a private corporation. No matter who is the agent, the function performed is that of the State. Though the ownership is private the use is public.³

The government's regulation of rail transportation under this agency principle is not to be denied, but should this principle be equally applied to the gas industry? The distribution and sale of gas has of late been considered a proper area of government regulation, yet the provision of fuel has never been regarded as a peculiar function of the government. Gas, electricity, coal and wood are all used for heating and cooking, yet only the distribution and sale of gas and electricity are under strict regulation. The best explanation of this discrepancy is that the distribution and sale of gas and electricity fall into the category of monopoly in a field of great public interest.⁴

C. Justification for Governmental Regulation

The general public has two sources to protect it from business exploitation such as high prices, poor or discriminatory service, and arbitrary rules and regulations. These two sources are government regulation and free competition. Under free competition businessmen compete with one another for public patronage, either by cutting prices, by providing a product of higher quality, or by giving superior service. Thus by free competition the public is assured of the manufacture and sale of the highest quality products at the lowest possible prices and with the best service possible.⁵

It is at times impossible or impractical to have competition. The construction of municipal gas storages and the building of the transmission system require a considerable investment on the part of a gas distribution company. The company must have all the business it can get if it is to be a profitable venture. The rise of a competitor in this area might well mean that neither could survive the competition and the community served would thus be deprived of the very commodity both companies were trying to deliver. Obviously if the public is to be adequately served the service company must be protected from competition---that is to say, it must be permitted to flourish as a monopoly. The public is no longer protected by competition, therefore, "regulation is justified when a monopolistic situation exists in a business involving great public interest".⁵

D. Basis for Federal Government Regulation

Today practically all regulation in this country is carried on under the provisions of statutes enacted by various legislative bodies. Statutory law regulation takes precedence over common law regulation. Common law may be applied to any situation not covered by statute law. Legislatures must act within the frame work of the state and national constitutions. Thus the Federal Government may engage only in those activities delegated to it by the Constitution of the United States.⁶ The only specific authority that Congress has to regulate business is found in the commerce clause of the Constitution which gives it the right "to regulate commerce with foreign nations, among the several States, and with the Indian tribes".⁷ Thus Federal legislation is limited to the regulation of interstate and international commerce.

A state's legislative activity is restricted by certain provisions of the Federal Constitution. There is, however, a broad area for the regulation of business by the states, even after making allowances for the limitations of state sovereignty. In this area the state may legislate and regulate to control the use of liberty and property. This is done for the purpose of protecting public health, safety, morals, and general welfare. It is through these powers that the state can determine the proper measures for the conservation of natural resources and the proper price of utilities.⁸

II. PIPELINE TRANSPORTATION

A. Development of Pipeline Transportation

The Petroleum industry was under no restriction or regulation whatsoever at its inception. As it grew in importance and the public came more and more to depend upon it, controls and regulations were gradually applied. In 1859 near Titusville, Pennsylvania, Colonel E. L. Drake drilled the first well for the purpose of producing oil. In a very short time the entire country about Titusville was in an uproar over this new source of wealth. Well after well was drilled and brought into production. Since most of the wells were located in remote areas, transportation of the oil became an immediate problem. At first teamsters were employed to haul the oil to the nearest railroad. The loads carried were small, the teamster's wages high and the roads used were unreliable. Early in 1860 attempts were made to move oil by pipeline, but the teamsters seeing an infringement on their lucrative trade, ripped up the pipelines and smashed the pumps during the night. Eventually as production increased, the construction and expansion of the pipelines outran the attempts to destroy them.⁹

While the petroleum industry was making great strides after 1859, the natural gas industry was barely starting. In the Titusville area the gas produced with the oil was considered as a nuisance and its disposal was a problem. The gas had no saleable value and constituted a fire hazard around the well. It killed vegetation and animal life and made the surrounding area untenable. It was not until 1872 that the first large scale commercial venture with natural gas was successful. The unwanted nuisance was piped to nearby communities for household consumption, thereby marking the beginning of the natural gas industry in this country.¹⁰

CONFIDENTIAL - SECURITY INFORMATION

B. Demand for the Regulation of Pipeline Transportation

By 1872 the place of the pipeline in the petroleum industry was assured. At this time three companies dominated the field; the Pennsylvania Transportation Company, the Pennsylvania Railroad's Empire Transportation Company, and the United Pipe Lines. John D. Rockefeller, who up until this time, was primarily concerned with oil refining facilities, decided to obtain an interest in the United Pipe Lines. Rockefeller pursued his interest in pipelines until in 1883 he gained control of the Tidewater Pipe Line Company. From here on until the early 1900's Rockefeller continued to build a nearly complete monopoly of the petroleum industry. In 1906, under President Theodore Roosevelt, Congress passed the Hepburn Act which destroyed the Rockefeller monopoly by placing interstate pipelines under control of the Interstate Commerce Commission. This was the first step in Federal Regulation of the petroleum industry.¹¹

The first part of the document is a letter from the Secretary of the State to the Governor, dated the 10th day of January, 1862. The letter is addressed to the Governor and is signed by the Secretary of the State. The letter contains the following text:

Sir, I have the honor to acknowledge the receipt of your letter of the 9th inst. in relation to the application of the State of New York for the admission of the State of New York to the Union. I have the honor to inform you that the same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully, your obedient servant,

J. B. Thompson, Secretary of the State.

The second part of the document is a report from the Secretary of the State to the Governor, dated the 10th day of January, 1862. The report is addressed to the Governor and is signed by the Secretary of the State. The report contains the following text:

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III. REGULATION OF NATURAL GAS PIPE LINES

A. The Natural Gas Act of 1938

When oil carrying pipelines came under Federal regulation in 1906, the natural gas pipelines were specifically excluded. But from that time on there was considerable agitation for the regulation of natural gas pipelines. State public utility commissions and municipalities had controlled the sale of natural gas to consumers for many years, but it was not until 1938 that the Federal government finally started to regulate the transportation and sale of gas moved in interstate pipelines.¹²

The necessity for regulation and the scope of such regulation is set forth in the Natural Gas Act itself:¹³

Section 1. (a) As disclosed in reports of the Federal Trade Commission made pursuant to Senate Resolution 83 (Seventieth Congress, first session) and other reports declared that the business of transporting and selling natural gas for ultimate distribution to the public is affected with a public interest, and that Federal regulation in matters relating to the transportation of natural gas and the sale thereof in interstate and foreign commerce is necessary in the public interest.

Section 1. (b) The provisions of this act shall apply to the transportation of natural gas in interstate commerce, to the sale in interstate commerce of natural gas for resale for ultimate public consumption for domestic, commercial, industrial, or any other use, and to natural-gas companies engaged in such transportation or sale, but shall not apply to any other transportation or sale of natural gas or to the local distribution of natural gas or to the facilities used for such distribution or to the production or gathering of natural gas. (52 Stat. 821 (1938); 15 U.S.C. 717 (1946))

It is interesting that because of initial Federal regulation, the two fuels so closely associated in nature and again in transportation are regulated by the different government agencies. Oil pipelines are regulated by the Interstate Commerce Commission, since that agency was already active

THE HISTORY OF THE
CITY OF BOSTON

The city of Boston was first settled in 1630 by a group of Puritan settlers from England. They came to the Massachusetts Bay Colony to establish a new society based on their religious beliefs. The city grew rapidly and became one of the most important centers of commerce and industry in the eastern United States. It was the site of the Boston Tea Party in 1773, a key event in the American Revolution. The city was also the site of the Battle of Boston in 1775, which led to the British evacuation of the city and the establishment of the new nation.

The city of Boston has a rich history and a strong sense of community. It is known for its many historic landmarks, including the Freedom Trail, the Old State House, and the Boston Common. The city is also home to many world-class universities, including Harvard University and Boston College. The city's economy is diverse, with a strong focus on education, healthcare, and technology. The city is also known for its vibrant arts and culture scene, with many museums, theaters, and music venues.

The city of Boston is a city of many firsts. It was the first city to have a public library, the first city to have a public school system, and the first city to have a public hospital. The city is also known for its many firsts in the fields of science, technology, and industry. The city's history is a testament to the resilience and ingenuity of its people.

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in 1906 when Congress started their regulation under the Hepburn Act. In 1938, when the natural gas pipelines came under federal regulation, the Federal Power Commission had been active in the field of public utility control for eighteen years.¹⁴ The mere fact that the Natural Gas industry is associated with the Federal Power Commission automatically directs thinking in terms of public utilities. This commission from its very beginning has been involved not only with the transportation of utility power, but also its original development and its sale to local municipalities. It would appear that had the natural gas pipeline been placed under regulation at the same time as its natural brother---the oil pipeline, the Interstate Commerce Commission would be regulating it for what it really is---a system of interstate transportation and not a utility from start to finish.

The first part of the report deals with the general situation of the country and the progress of the work done during the year. It is followed by a detailed account of the various projects undertaken and the results achieved. The report concludes with a summary of the work done and a list of the recommendations made.

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B. The Federal Power Commission

The Federal Power Commission is made up of five men appointed by the President, subject to confirmation by the Senate. The term of office is for five years with one term expiring each June 22. The chairman of this group is chosen by the President and it is he who is responsible for the executive and administrative authority of the Commission. The members of the Commission annually elect a vice chairman.¹⁴

In carrying out its duties of regulating, investigating, licensing and so forth, the Commission is augmented by a large staff of permanent federal civil service employees. Thus while the Commission itself may undergo changes every year, its staff may not change for years. Since the staff has been associated with the work for a considerable period of time, and since it is not subject to constant change, it is understandable that it can and does exert a tremendous affect upon the thinking of the Commission. Before the Commission can make any radical changes it must first move the inertia within its own staff.^{14, 15}

IV. THE PHILLIPS CASE

A. Events Leading Up to the Federal Power Commission Hearing

From the time of the original investigation leading up to the Natural Gas Act, it has been recognized that production was properly controlled in the field by the various states. The sale of natural gas to the consumer, on the other end, was well under control of the state public utility commission and the local municipalities. It was the opinion of the Federal Trade Commission in its report, that the only proper area of Federal Regulation was between these points of state control, namely, interstate transportation.¹⁶ The report submitted by this body summed it up nicely when it said:

So, broadly speaking, we have in natural gas a situation which no matter how fully and properly integrated, will present at both ends problems which are either of local concern, or which are of both local and general public concern, in between a field of interstate transportation where only through the exercise of Federal jurisdiction can proper solution be obtained.¹⁷

Section 1 paragraph (a) of the Natural Gas Act itself, showed that Congress was interested only in the transportation of natural gas in interstate and foreign commerce. Paragraph (b) of the same section specifically extended exemption to "any other transportation or sale of natural gas or to the local distribution of natural gas or to the facilities used for such distribution or to the production or gathering of natural gas."¹⁸

The Federal Power Commission has held hearings on the application of Section 1 of the Act to producers and gatherers nine times to date. In all of these hearings not once has it held that it does have authority over "independent" producers and gatherers making sales at "arm's length" for

resale into interstate commerce. The last of these cases involved the Phillips Petroleum Company.¹⁹

The Commission, while exempting "independent" producers and gatherers from its jurisdiction has ruled that it does have jurisdiction over the same operations of "natural gas companies" as defined by the Act. On this point the Commission has been upheld by the courts. To help clarify this area of confusion two bills were introduced into Congress---the Hixley-Moore Bill in 1947 and the Kerr Bill in 1949. Of the two only the Kerr Bill was passed and it was then vetoed by President Harry S. Truman in 1950.²⁰

At the time the Kerr Bill was vetoed, the Commission had investigated the Phillips Petroleum Company and had ordered hearings to be held. When the veto was made public, the State of Wisconsin and Public Service Commission of Wisconsin and the cities of Detroit, Michigan; Kansas City, Missouri; Milwaukee, Wisconsin, and the County of Wayne, Michigan, intervened in support of the Commission's jurisdiction over Phillips' sales. Opposing the Commission's jurisdiction were the States of Arkansas, Louisiana, Mississippi, New Mexico, Oklahoma, and Texas.

B. Results of the Federal Power Commission's Hearing

as a result of these hearings the commission in a four to one decision held that the Phillips Petroleum Company was an independent producer and gatherer. The Commission in its ruling stated that it did not have authority over the Phillips Petroleum Company. It further said in the majority report that:

In covering decisions, the evidence clearly shows that our regulation of sales made in the process of production and gathering would, by its very nature, be inconsistent or constitute a substantial interference with such regulation of producers and gatherers by Oklahoma, Texas, and New Mexico. To cite one example, there is a direct relation between price and conservation, an important concern in the regulation of each of the States.²²

This case was next heard in the Court of Appeals for the District of Columbia Circuit. The court handed down its opinion on May 22, 1953. Its decision reversed that of the Federal Trade Commission. The Court's majority opinion is expressed as follows:

. . . . Phillips' sales to the pipeline companies are not within either the statutory phrase 'the production or gathering of natural gas' or the Supreme Court's para-phrase 'made during the course of production and gathering'. Therefore Phillips is a 'natural-gas company' within the meaning of the Natural Gas Act and the Commission should fix the rates at which these sales are made.²³

The next logical step in the Phillips Case was an appeal to the Supreme Court. The Supreme Court, however, on November 30, 1953, refused to hear the appeal.²⁴ In January of 1954 it reversed itself and decided that it would review the case.²⁵

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V. THE SUPREME COURT AND THE PHILLIPS CASE

On June 7, 1954, the Supreme Court ruled five to three that the Federal Power Commission should regulate the Phillips Petroleum Company's sales of natural gas to interstate pipeline companies.²⁶ In effect this gives the commission rate-making power over 2,300 "independent" producers who sell their natural gas to interstate pipelines.²⁶ In writing the majority opinion in which he was joined by Chief Justice Warren and Justices Black, Reed, and Frankfurter, Justice Minton said:

The legislative history indicates a congressional intent to give the commission jurisdiction over the rates of all wholesalers of natural gas in interstate commerce, whether by a pipeline company or not, and whether occurring before, during, or after transmission by an interstate pipeline company . . .

Regulation of the sales in interstate commerce for resale made by a so-called independent natural gas producer is not essentially different from regulation of such sales when made by an affiliate of an interstate pipeline company. In both cases, the rates charged may have a direct and substantial effect on the price paid by the ultimate consumers. Protection of consumers against exploitation at the hands of natural gas companies was the primary aim of the Natural Gas Act. Attempts to weaken this protection by amendatory legislation exempting independent natural gas producers from Federal regulation have repeatedly failed, and we refuse to achieve the same result by a strained interpretation of the existing statutory language.²⁶

Justice Jackson took no part in the case. Justices Clark, Burton, and Douglas dissented. Justice Clark in reference to the majority opinion said:

On its face, this language brings every gas operator, from the smallest producer to the largest pipeline, under Federal regulatory control. In so doing, the court acts contrary to the intention of Congress, the understanding of the states, and that of the Federal Power Commission itself. The Federal Power Commission is thereby thrust into the regulatory domain traditionally reserved to the states.²⁶

Two previous decisions by the Supreme Court gave adequate warning as

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to what their decision would be in the Phillips Case. In the 1945 ruling in the Colorado Interstate Gas Company case, it held that the rate base set by the Federal Power Commission for rate making purposes should include the production and gathering properties of an affiliate of an interstate pipeline company.²⁷ Again in 1947 in the Interstate Natural Gas Company Case, the court ruled that sales made by the company at the well head or during or at the conclusion of gathering were sales in interstate commerce. From the language used by the Court in this case it appeared that the Federal Power Commission had jurisdiction over the sales of all producers of gas that would be sold into interstate commerce.²⁷

VI. THE FUTURE OF THE NATURAL GAS INDUSTRY BASED UPON THE
FEDERAL GOVERNMENT'S REGULATORY POLICY

Now that the Courts have seen fit to change the Natural Gas Act by making the interpretations never intended by Congress, thereby putting Federal regulation at the wellhead and surplanting free competition and the state conservation laws, what is the future of the natural gas industry?

The Federal Power Commission's Natural Gas Investigation in 1948 gives some idea as to the possible effects of the latest Supreme Court decision:

It is appropriate to point out, however, that if the Federal Power Commission were to be authorized to fix the prices of arm's length sales of natural gas by producers and gatherers to pipe-line companies transporting it in interstate commerce, the result would be to establish Federal authority over a substantial part of all field and well prices for natural gas. Control of oil as well as gas would necessarily become involved,²⁸ since the production of these two resources is to a large extent interrelated. Also, if the Federal Government were to fix the prices on sales of natural gas by producers and gatherers, such actions would impinge upon the functions of the States relative to oil and gas conservation and the protection of correlative property rights of producers in those resources.²⁹

Thus the Commission expected not only control of gas, but oil as well, to result from the regulatory powers that they have just received. Further the Commission expects to infringe upon state oil and gas conservation programs.

It is the duty of the State to protect the public interest.

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Conclusion

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Conclusion

A. Gas Reserves

In a normal free economy the factors of supply and demand tend to counteract and balance each other. Today the natural gas industry is found in an unnatural situation---that of having its supply threatened and its demand fostered as a result of governmental regulation. The recent decision of the Supreme Court in the Phillips Case has driven a wedge between supply and demand when the scales were already tipped in favor of demand. Until recently the supply of natural gas was in balance with the demand primarily on the basis of incidental finds while searching for oil. Recent forecasts for the demand of gas in 1975 have put it at two and a half times the 1953 figure of 8.7 trillion cubic feet.^{30, 31} In addition most of the reserves have already been committed to a particular customer thereby eliminating present reserves from the future demands of new customers.³⁰ The only solution to the lopsided demand situation picture was to spend time and considerable money for the primary search for new gas fields, in order to provide ample reserves for the future demand.

In 1938 the proved gas reserves of this country stood at 70 trillion cubic feet. The production for 1938 was 2.9 trillion cubic feet thus giving a ratio of reserve to annual production of 23.6. In this same year Congress passed the Natural Gas Act, thereby setting up a partial disparity between supply and demand. During the restrictions on both supply and demand in the years of World War II the ratio rose to 31.2 in 1946. From this point on the restrictions on demand were dropped and those on supply increased until in 1953 with reserves of 204.6 trillion and production of 9.5 trillion the ratio of reserves to production have declined to 21.5.³²

The Supreme Court's decision of June 7, 1954, is going to eliminate the desire on the part of some producers to make their gas reserves available to interstate transmission. As early as 1948 when the Federal Power Commission first conceived the idea of investigating Phillips, certain of the large producers removed their gas holdings from the interstate market. Others had clauses written into their contracts to free themselves in the event of Federal regulation.³³

The State of Texas, in 1953, had 105.7 trillion cubic feet out of the nation's 199.7 trillion cubic feet reserve. Of the total reserves only 69.2 trillion cubic feet were not associated with crude oil. It is almost certain that the associated reserves will no longer be available to interstate transmission out of fear that such sale might eventually lead to Federal regulation of the Crude Oil Industry.³⁴

The immediate short range effect of the Phillips Case is that even in the face of an increasing demand for more natural gas, the supply available to satisfy such demand is going to be decreased. As a result of withholding gas from the interstate market and the continued search for oil the nation's gas reserves will increase, while the supply of gas available for the interstate market will decrease.

The first part of the document is a letter from the Secretary of the State to the Governor, dated the 10th of January, 1862. The letter is in answer to a communication from the Governor, dated the 2nd of January, 1862, in relation to the petition of the citizens of the County of ... for the establishment of a ...

The second part of the document is a report of the ... dated the 15th of January, 1862. The report is in relation to the ... of the ...

The third part of the document is a report of the ... dated the 20th of January, 1862. The report is in relation to the ... of the ...

The fourth part of the document is a report of the ... dated the 25th of January, 1862. The report is in relation to the ... of the ...

The fifth part of the document is a report of the ... dated the 30th of January, 1862. The report is in relation to the ... of the ...

The sixth part of the document is a report of the ... dated the 5th of February, 1862. The report is in relation to the ... of the ...

The seventh part of the document is a report of the ... dated the 10th of February, 1862. The report is in relation to the ... of the ...

The eighth part of the document is a report of the ... dated the 15th of February, 1862. The report is in relation to the ... of the ...

The ninth part of the document is a report of the ... dated the 20th of February, 1862. The report is in relation to the ... of the ...

The tenth part of the document is a report of the ... dated the 25th of February, 1862. The report is in relation to the ... of the ...

The eleventh part of the document is a report of the ... dated the 30th of February, 1862. The report is in relation to the ... of the ...

B. Natural Gas Prices

Since the Supreme Court's decision was made with the thought in mind of "protection of consumers against exploitation," it might be well to see just how much the "independents" were exploiting the consumers. In 1950, for example, Phillips was selling gas in the Texas Panhandle to the Michigan-Wisconsin Pipeline Company for eight and one tenth cents per thousand cubic feet. It was transported to Wisconsin and sold to local operators at the "citygate" for thirty-one and a half cents a thousand cubic feet. The gas was then distributed to the consumer in Madison for \$1.67 per MFC, Milwaukee for \$1.43 and Racine for \$2.18 per MFC. It is a little hard to see how Phillips, by charging eight and one tenth cents in Texas, is exploiting the consumer in Racine. A reduction of one cent in the field price would be a decrease of about twelve per cent for Phillips, but only one half of one per cent for the consumer in Racine, provided of course, that the decrease was passed along to the customer.³⁵

As the field price of natural gas goes down, the supply of gas in the reserves will decrease and the demand by the consumers will increase. With an increasing demand meeting a dwindling supply it is certainly obvious that the price of natural gas must be forced up. Faced with a diminishing supply the very states and communities that fostered the investigation of Phillips will be bidding against each other. Possibly the Federal Power Commission will then ration gas to the consumer and thus complete the full cycle of regulation.

THE HISTORY OF THE

The history of the world is a vast and complex subject, encompassing the lives and actions of countless individuals and the events that have shaped our planet. From the dawn of civilization to the present day, the human story is one of constant change and evolution. The early years of our species are marked by a struggle for survival, as our ancestors sought to adapt to their environments and overcome the challenges of a harsh world. Over time, however, the human mind began to flourish, leading to the development of language, art, and technology. These achievements laid the foundation for the great civilizations of the past, which in turn influenced the course of human history. The Middle Ages were a period of great faith and devotion, as people turned to religion for comfort and guidance in a world filled with uncertainty. The Renaissance brought a renewed interest in the arts and sciences, leading to a golden age of discovery and innovation. The modern era is characterized by rapid technological progress and a global interconnectedness that has never before. While we have achieved many remarkable feats, we also face significant challenges, such as climate change, social inequality, and the threat of nuclear war. The future of our species remains uncertain, but one thing is clear: the human story is far from over. We continue to explore, to create, and to strive for a better world for ourselves and for generations to come.

C. Exploration for Natural Gas

As has been previously pointed out, the demand for natural gas has become so great in recent years that the industry has been forced to conduct exploration efforts for it instead of relying on the search for oil to accidentally discover it. To engage in gas exploration is to take a calculated chance. In 1953 there were 10,675 "wildcats" drilled in order to find 244 new gas fields, 97 new distillate fields and 1,080 new oil fields. Since 1925 the average depth per well has risen from 2900 feet, to 4006 feet in 1953. The average "finding" costs have more than kept pace with the average increase in depth. The average size of a new discovery has gone from 35 billion cubic feet to 31 billion cubic feet from 1947 to 1952. The average field price has risen from six cents per mcf in 1947 to eight and three tenths cents in 1953. Last year small companies and individual operators owned 76.9 per cent of the wells drilled. The large companies, all together twenty-three, owned but 23.1 per cent of the 49,039 wells drilled.³⁶

Since the "natural gas companies" are discouraged from owning their own reserves, the onus for finding and holding new pays is placed upon the shoulders of the small operator. As previously pointed out, the "wildcat" has about one chance in eight of hitting a new pay. The drilling costs are rising each year and the average depth of each well is increasing. The size of each new discovery is diminishing and now under Federal regulation the money received for each cubic foot of gas is at the best probably, going to be static and at the worst, decreased.

Thus the small operator's risk is increased as his prize is reduced. In addition, once he finds a new gas pay he must wait until his capital is

THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth and change. It begins with the first settlers who came to the eastern coast of North America. These settlers were mostly from Europe, and they brought with them the culture and customs of their home countries. Over time, these settlers and their descendants became known as the American people.

The American people have always been a people of great energy and initiative. They have been pioneers in many fields, from agriculture to industry. They have also been a people of great freedom and independence. They have fought for their rights and have established a government that is based on the principles of liberty and justice for all.

The history of the United States is a story of many challenges and many triumphs. It is a story of a people who have overcome great odds and who have built a great nation. It is a story that is still being written, and it is a story that we can all be proud of.

returned in the form of depletion allowance and the present Federal Power Commission's profit rate of six per cent before he is free to begin another hazardous search.³⁷ In the light of these developments fewer small companies or operators can afford to "wildcat" and fewer will do so, with the net result of fewer new finds and thus a decrease in the nation's natural gas reserves.

The first part of the report deals with the general situation of the country and the progress of the work done during the year. It is followed by a detailed account of the various projects and the results achieved. The report concludes with a summary of the work done and the prospects for the future.

Yours faithfully,

D. Natural Gas Supply in Producing States

Faced with the choice of Federal regulation of interstate gas transmission the large producing states are most likely going to withhold their gas from interstate markets. In this way the threat of Federal regulation of crude oil can be overcome. Texas, which in 1953 held over fifty per cent of the national reserves, had nearly half of its production coming from oil wells.³⁸

The restriction of gas to the producing state is going to throw supply out of balance with demand and thereby cause the price at the well head to drop. Gas which was heretofore too expensive for some uses will now become cheap. In areas with marginal operation, cheap gas will cause a shut in of wells, thus decreasing the states reserves. Waste will once again be rampant. The general result will be a decrease in the nation's gas reserves and less gas to the interstate consumer, at the same time the producing state will be glutted with gas at ridiculous prices.

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K. Effects on the Petrochemical Industry

Natural gas in addition to being used commercially as a source of heat has recently become a raw product in the manufacture of many synthetic chemicals. Some of the new uses are found in the manufacture of synthetic rubber, ammonia, alcohols and other chemicals that are in wide demand in industry. Since these new petrochemical industries use other raw products along with natural gas they are not necessarily located in the immediate areas of gas production. These new industries are now placed in jeopardy due to the Federal regulation of the natural gas industry.³⁹

These industries are now faced with the possible increase in price of one of their basic raw materials and a dwindling source of supply. The petrochemical industries must either go out of business or else move into the producing states. Of course the latter choice is the most logical, other factors remaining the same. Once again some of the far reaching effects of Federal regulation of the natural gas industry will be the migration of large industries to the greener pastures of the producing states where gas is plentiful and cheap. All of the northern industrial states will suffer, including the states that advocated Federal regulation.

1948 - 1949

The following is a list of the names of the persons who were members of the committee during the year 1948-1949. The names are listed in alphabetical order. The names are: [illegible]

RE

[illegible text]

F. Effects of Regulation on the Oil Industry

Natural gas has been considered a "premium" fuel for many years. It is much cleaner and easier handled than are its competitors---oil and coal. In addition, at the current prices it can heat the average home in some areas for only \$90 per year against an approximate cost of \$200 for oil, and \$145 for coal.⁴⁰ It has grown tremendously in competition with oil and coal. In 1900 gas accounted for but 3.3 per cent of the mineral energy production of the United States, while coal accounted for 91.9 per cent and oil 4.8 per cent. In 1950 natural gas contributed 20.2 per cent to the total mineral energy of this country, while coal had dropped to 44.7 per cent and oil had risen to 35.1 per cent.⁴¹ In this past year oil surplus has been built up to an alarming figure. The president of Standard Oil Company of California recently told the Texas Railroad Commission:

. . . .it is apparent to us that the principal reason for failure of U. S. crude oil to find larger markets is not increasing imports . . . the primary reason is increasing competition from natural gas and the liquids produced therefrom.⁴²

Mr. Peterson went on to say that Texas natural gas producers now receive only about one-fifth as much for their fuel as do oil producers when compared on a heat value basis. Further he said that natural gas selling in the field for ten cents a thousand cubic feet is like selling oil for sixty cents a barrel. Present gas prices are about ten cents per mcf and oil is selling at nearly three dollars per barrel. Then he went on to say that:

This leads to the thought that royalties paid land-owners are inordinately low and in no sense compensate them for the true value of natural gas being produced. Until such time as field prices for gas have come into closer balance with real values paid to producer of crude oil, property and royalty owners can continue to expect meager returns and crude oil will suffer still further inroads in its markets.⁴²

Statement of the Board of Directors

The Board of Directors has the honor to acknowledge the receipt of your letter of the 15th inst.

in which you have requested that we should advise you as to the status of the application.

In reply to your letter of the 15th inst. we advised you that the application was being

considered by the Board of Directors and that we would advise you as soon as a decision

had been reached. We regret that we have not been able to advise you earlier.

The Board of Directors has now considered the application and has decided to

grant the application on the following conditions: (1) that you should pay the

sum of \$10,000 to the Board of Directors as a condition of the grant.

(2) that you should pay the sum of \$5,000 to the Board of Directors as a condition of the grant.

(3) that you should pay the sum of \$2,500 to the Board of Directors as a condition of the grant.

(4) that you should pay the sum of \$1,250 to the Board of Directors as a condition of the grant.

(5) that you should pay the sum of \$625 to the Board of Directors as a condition of the grant.

(6) that you should pay the sum of \$312.50 to the Board of Directors as a condition of the grant.

(7) that you should pay the sum of \$156.25 to the Board of Directors as a condition of the grant.

(8) that you should pay the sum of \$78.125 to the Board of Directors as a condition of the grant.

(9) that you should pay the sum of \$39.0625 to the Board of Directors as a condition of the grant.

(10) that you should pay the sum of \$19.53125 to the Board of Directors as a condition of the grant.

(11) that you should pay the sum of \$9.765625 to the Board of Directors as a condition of the grant.

(12) that you should pay the sum of \$4.8828125 to the Board of Directors as a condition of the grant.

(13) that you should pay the sum of \$2.44140625 to the Board of Directors as a condition of the grant.

(14) that you should pay the sum of \$1.220703125 to the Board of Directors as a condition of the grant.

(15) that you should pay the sum of \$0.6103515625 to the Board of Directors as a condition of the grant.

(16) that you should pay the sum of \$0.30517578125 to the Board of Directors as a condition of the grant.

(17) that you should pay the sum of \$0.152587890625 to the Board of Directors as a condition of the grant.

(18) that you should pay the sum of \$0.0762939453125 to the Board of Directors as a condition of the grant.

(19) that you should pay the sum of \$0.03814697265625 to the Board of Directors as a condition of the grant.

If oil can avoid Federal regulation in the interstate market the results of such regulation of the natural gas industry should be an increase in the price and consumption of oil. Most large industries that are presently using natural gas for heating purposes have alternate systems whereby coal or oil can be used. Since gas may well be high priced and in short supply both coal and oil will benefit from its regulation.

In the gas producing areas where an increased supply will become available, the price will drop sufficiently to permit increasing use of natural gas for pressure maintenance and repressuring oil wells. It will also make gas lift operations cheaper and will permit further recycling of marginal oil properties. The effect on the Crude Oil industry of Federal regulation of the natural gas industry is going to be that of allowing more production of oil, better prices for oil and an expanding market for oil products.

The first part of the report is devoted to a general
 description of the project and its objectives. It
 is followed by a detailed account of the work
 done during the period covered by the report.
 The results of the work are then presented and
 discussed. The report concludes with a summary
 of the work done and a list of references.
 The following is a list of the references
 mentioned in the report.

G. State Conservation Programs

The problem of conservation of gas and oil is primarily a problem of economics. Shortly after the turn of this century it became apparent to both the general public and to the petroleum industry that the supply of gas and oil had some definite but unknown limit. It was this acknowledgement that brought the problem out into the light. Now both the industry and the various state governments have taken clear and decisive steps along the path of conservation. The industry for its part has applied science, engineering, and ingenuity in order to find and make available to the public increasing quantities of gas and oil.⁴³ The various states tried to promote conservation within their own boundaries by recognizing and acting on the relationship of supply and demand. The Connally Act, passed by Congress in February of 1935, gave the necessary support to the states by prohibiting shipment in interstate commerce of petroleum produced in excess of those quantities approved by the state commissions.⁴⁴

The state regulatory bodies have succeeded exceedingly well in their conservation programs. By keeping supply in approximate balance with demand they have prevented an excess of gas on the market and excessive above-ground storage. This in itself prevents waste. It further holds the market price of gas to a value such that producers cannot afford to flare such a valuable commodity. As has previously been pointed out, both the Federal Power Commission in its majority opinion and the Supreme Court in its minority opinion on the Phillips Case recognized the fact that such regulation and price control would seriously interfere with the state conservation regulations.

With the Federal Power Commission forced to hold gas prices to unrealistic levels it will no longer behoove the operator to save gas that might otherwise be flared. Considerable gas is produced along with oil. If there is no readily available market for this gas it may be diverted to other uses or wasted. Low prices for gas within the producing states will make cheap gas readily available and thus cause an increase and probably wasteful use. The net result of Federal regulation will perhaps be the undoing of fruitful years of state conservation.

In summary, the present trend of Federal regulation will:

1. Reduce the immediate natural gas supply available for interstate transmission.
2. Reduce, in the long run, the gas reserves of this country.
3. Tend to confine natural gas to the state producing it.
4. Increase the market and the market price of oil.
5. Increase prices of natural gas in non-producing states.
6. Decrease prices of natural gas within the producing states.
7. Cause a move of the petro-chemical industries into producing states.
8. Imperil the conservation programs of the producing states thus reducing the nation's gas reserves.

VII. FUTURE AVENUES OF LEGISLATIVE AND JUDICIAL REGULATION

Although the Supreme Court's decision in the Phillips Case is causing more confusion and consternation in the oil and gas industries than has any other regulation to date, it certainly must not be considered to be the last attempt at Federal regulation. Already attempts are being made to force the Federal Power Commission to "order a freeze on all natural gas rates which now fall within its expanded jurisdiction to prevent unwarranted rate increases which are not in the public interest."⁴⁵ President Eisenhower recently remarked, "when it comes to the use of power all governments are greedy."⁴⁶ Even the Supreme Court's language in handing down its decision in the Phillips Case, "the rates charged may have a direct and substantial effect on the price paid by the ultimate consumers", warns that oil and coal may be marked for the next regulation.⁴⁷

From time to time legislation has been introduced to Congress to reduce the present twenty-seven and one half per cent depletion allowance on gas and oil properties. The most recent attempt was a bill introduced by Senator John J. Williams (R, Del.), a member of the Senate Finance Committee, which would give a fifteen per cent depletion allowance instead of the present allowance. The fact that it was defeated when considered along with present tax revisions, does not mean that another attempt will not be made at a later date.⁴⁷

At present the Justice Department is investigating the Hughes Tool Company and the Reed Roller Bit Company for possible anti-trust law violations.⁴⁹ Once an investigation starts it is not necessarily limited in area or scope. The fact that these two companies control about ninety per cent of the drilling bit business is apparently reason enough for the

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investigation. The very fact that a business is under investigation is enough in itself to deter business enthusiasm. Benson Ford, vice president of the Ford Motor Company, when asked about the Ford Company's "longest-range plan for expansion and modernization" that they have ever undertaken said that the decision to go ahead depends upon whether "we will be free to manage our affairs today, tomorrow, and five years from now."⁵⁰ His company is also under anti-trust investigation.

The Federal Power Act gives the Federal Power Commission authority over mergers, security issues, and interlocking directorates of interstate electrical utility companies.⁵¹ Since under the present Natural Gas Act the Commission does not have the same authority over "natural gas companies" it should require no great imagination to see that this presents a fertile ground for further regulation of the interstate gas companies.

VIII. SUGGESTED ACTION TO FORESTALL FUTURE RESTRICTIONS

A. Greater Emphasis Must be Placed upon Good Public Relations

Decisive steps should be taken to acquaint the public with the benefits that the industry has given even the non-consumer. Much more advertising could be done along the lines shown by the American Petroleum Institute in the current issues of Life and the Saturday Evening Post. This type of advertising shows the large corporations in a really favorable light. It helps a little to show the American People that they have nothing to fear from a corporation in spite of the loud uproar raised against them by selfish, short-sighted politicians. The average man on the street still thinks that the big investors on Wall Street own the corporations, and that all big business is bad. He has been led to believe this by people in public life who know better. No doubt he would not believe that his own neighbor and fifteen million others own all of the big businesses and the corporations too.

Free enterprise and free competition have been "sold down the river" by the smooth talking politicians who would replace it with government regulation and ownership. Industry, all industry, should perhaps re-acquaint the public with the fact that past, present, and future opportunities lie not in the government regulation, but in free enterprise.

Probably one of the clearest, yet most expensive lessons of government in private business, has been brought to light recently in the State of South Dakota. The state for the first time since 1917 expects to be debt free. It all started in 1916 when a political faction known as the Nonpartisan League put forth the idea that State ownership could eliminate the middleman and thus pass the benefits on to the consumer. The opposing

The first part of the report deals with the general situation of the country and the progress of the war. It is followed by a detailed account of the military operations in the various theaters of war. The author then discusses the political and economic conditions of the country and the impact of the war on the population. The report concludes with a summary of the findings and a list of recommendations.

The second part of the report is a detailed account of the military operations in the various theaters of war. It covers the campaigns in the East, the West, and the South. The author provides a comprehensive overview of the military strategy and tactics employed by the various forces. He also discusses the role of the air force and the navy in the war.

The third part of the report discusses the political and economic conditions of the country. It examines the impact of the war on the government and the economy. The author analyzes the political situation and the role of the different political parties. He also discusses the economic conditions and the impact of the war on the population.

The fourth part of the report is a summary of the findings and a list of recommendations. The author concludes that the war has had a profound impact on the country and that the government should take certain steps to address the challenges it faces. He recommends that the government should focus on rebuilding the economy and improving the living conditions of the population.

political faction, the Republicans, made a counter move and offered the people a state-owned rural credit agency. Between 1916 and 1924 the State owned a rural credit agency, a lignite mine, a hail insurance agency, and a cement business. The lignite mine failed, the coal mine was sold in 1934 for a mere \$5,000 and the State had to put up \$263,000 before it could get rid of the hail insurance business. Only the cement plant made money. The State had financed their rural credit venture on the sale of \$47.5 million bonds at 5.3 per cent interest. In 1926 the debt on this venture had reached \$59 millions. Referring to the rural credit agency Attorney General Sharpe said in 1932, ". . .the principal causes were political infection, catering too much to vote-getting policies and cheap, shallow, superficial statesmanship."⁵²

In 1936 Millard G. Scott was named rural credits director and ordered to clean up the mess. He returned 7,000 farms to private ownership within five years, but the state retained all mineral rights on these farms in hopes of eventually offsetting part of its loss if oil is found on these farms. In addition to borrowing \$11 million from the Highway Fund, Mr. Scott "leveled out" the maturing securities by issuing "Humpback Coupon Bonds" at three per cent interest. That the State of South Dakota is this year going to be debt free for the first time in thirty-eight years shows how well Mr. Scott has done his job. He now refers to it as "South Dakota's socialistic venture." Speaking of this venture Scott said:

Apparently we, in South Dakota, had the idea we could lift ourselves by the boot straps. We believed the cure for all our economic ills was contained in government ownership. Why anyone harbors the idea that a political appointee can, or will manage a gigantic business venture better than a private citizen, trained and experienced in his own line, using his own funds and risking his own future is more than we can understand.⁵²

The first part of the report deals with the general situation of the country and the progress of the work done during the year. It is followed by a detailed account of the various projects and schemes which have been undertaken. The report concludes with a summary of the results achieved and a statement of the resources available for the coming year.

The second part of the report deals with the financial statement of the organization. It shows the income and expenditure for the year and the balance sheet as at the end of the year. It also shows the details of the various grants and contributions received from the Government and other sources.

The third part of the report deals with the administrative and personnel matters. It shows the details of the various committees and sub-committees which have been set up to look into the various aspects of the work. It also shows the details of the various staff members who have been employed during the year.

B. Political Support Required by Producing States

Probably the first action taken by the industry should be a request for an immediate re-hearing of the Phillips Case before the Supreme Court. At the same time new legislation should be introduced into Congress to correct and clarify the actual intent of the Natural Gas Act. The tone of the Supreme Court's decision should be enough to cause the gas, oil, and coal industries to pool their strength in Congress for a common cause.

It is too much to expect that our legislative bodies are the proper custodians of the public's desired policies. Congress is not always the place in which arguments are weighed and balanced against lofty ideals of public good, ultimately to be embodied in the "law of the land." Legislatures are rather convenient gathering places where pressure groups push and logroll while jockeying for political advantage. From time to time, dominance may rest with labor, agriculture, business or industry. Legislatures have been called the voice of the people, but more often than not the only voice heard is that of the best organized people. More than once Congress has been caught up in momentary enthusiasm or under pressure from powerful groups and enacted unwise legislation. Urgent matters may be overlooked or forgotten just because no pressure group is championing them. Our government is a system of checks and balances. Perhaps in the long run it comes close to the public desire when the action of the legislative, executive, and judicial all come into the picture. In finally reaching the point of balance however, the government may take extreme swings along one avenue or another.

The judiciary is in the position of testing and interpreting the laws enacted by the legislative and the powers of the executive. The courts

may vary from, but do not run counter too long to the will of the people or the prevailing political atmosphere. In the past twenty years more and more individual rights have been surrendered for the "common good." The court finds fewer and fewer reasons to protect individual rights that have been born and fostered under our heritage of capitalism. Instead powers have been passed to the government in ever increasing numbers such that we are living next door to socialism. The Supreme Court's decision in the Phillips Case and the language used in the majority opinion certainly indicate that we have taken another step towards socialism.

IX. SUMMARY AND CONCLUSIONS

The Federal regulation of the Natural Gas Industry has grown steadily, both by legislative action and judicial interpretation, until it now threatens to completely engulf not only the Natural Gas Industry but the Oil Industry as well. Some of the steps taken in this regulation have been good, others have been extremely harmful to the general public and the Natural Gas Industry, not only of this generation but future generations as well. Some poor legislation has been enacted and good legislation has been defeated because political expediencies have demanded it and bad publicity on the part of the industry has permitted it.

The Supreme Court's decision in the Phillips Case has probably doomed either the Natural Gas Industry or the Natural Gas Act of 1938. The broad interpretation given to the Act by the Supreme Court gives rise to whole new areas of regulation. Such regulation reduces the incentive to increase our present gas reserves. Since the Gas Industry is faced with increased demand it cannot properly function without increasing gas reserves. The Gas Industry is thus faced with the decision of either getting new legislation enacted to offset the Supreme Court's decision or watching its gas reserves decrease. The public is likewise faced with the choice of a continued gas supply at reasonable prices or a smaller gas supply at higher prices, depending upon whether they choose freer competition or increased regulation for the Natural Gas Industry.

THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth and development. From the first European settlements to the present day, the nation has expanded its territory and diversified its economy. The early years were marked by the struggle for independence and the establishment of a new government. The subsequent decades saw the westward expansion and the growth of industry and commerce. The Civil War was a pivotal moment in the nation's history, leading to the abolition of slavery and the strengthening of the federal government. The Reconstruction era followed, a period of significant social and political change. The late 19th and early 20th centuries were characterized by rapid industrialization and the rise of big business. The Progressive Era sought to address the social problems created by industrialization. The 20th century has been a period of global conflict, technological advancement, and social progress. The United States has emerged as a superpower, playing a leading role in world affairs. The future of the nation remains uncertain, but its history provides a rich and complex legacy.

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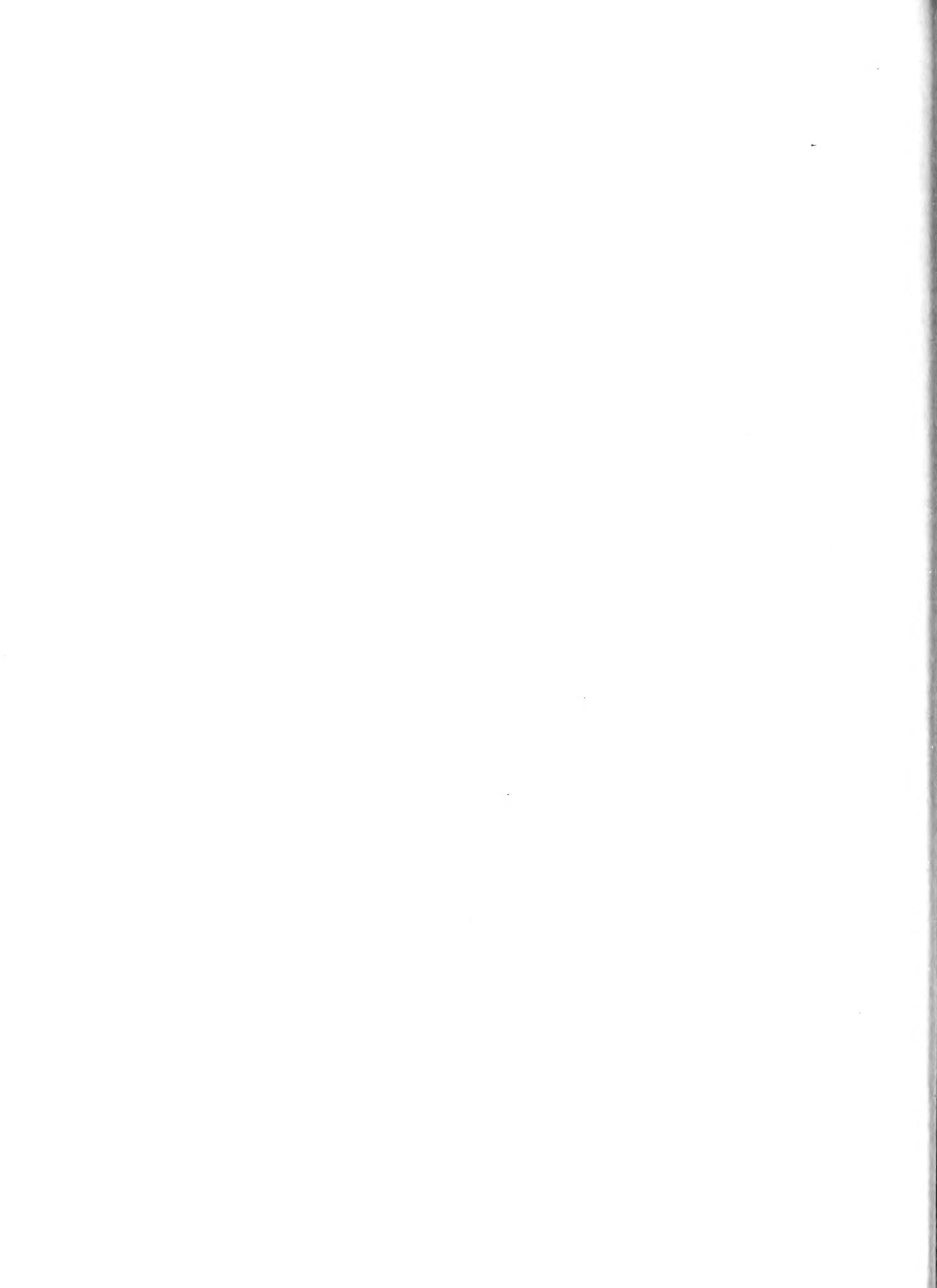
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The first part of the report is devoted to a general
 description of the project and its objectives. It
 also includes a brief review of the literature
 on the subject. The second part of the report
 describes the methodology used in the study.
 This includes a description of the data sources,
 the sample, and the statistical methods used.
 The third part of the report presents the results
 of the study. This includes a description of the
 findings and a discussion of their implications.
 The final part of the report is a conclusion
 and a list of references.







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